Work Order ID 58	3491
------------------	------

May 7, 2010 .1:47:20 PM

Required Date: 20/05/2010



Page 1

Item ID:

D205-634-041

07/05/2010

Accept



Setup Start



Revision ID:

Item Name:

Replacement Skidtube

Cust Item ID:

Customer:

Reference:

Start Date:

Approvals: I

Process Plan:

QC:

--*K*--

Start Qty: 1.00

Req'd Qty: 1.00

Date: 0-3-0 Tooling:

Date: _____ SPC (Y/N):

Date: ____

Run

Start

Stop

Stop

Inen

Sequence ID/ Work Center ID Operation Description

Set Up/ Run Hours

Draw Number Draw Plan Rev. Code Accept Qty Reject Qty Reject Number Insp. Stamp

Draw Nbr

Revision Nbr

D2580 Rev D

100

DOCUMENT CONTROL

Memo

0.00

0.00

Document Control

Photocopy D205-634 bluefile & type labels per PPP D205-634-041 CHG002

Sules /21

110

CNC Bend 1

CNC Delta 100 Bender

BENDING MACHINE - SKIDTUBES

Memo

0.00

1-Bend as per program D2580.C on CNC Bender and Folio FT009

2-Cut tubes as per Dwg. D2580

0.00

10-5-12

58491

\$

Dail Aciuspace Li	t Aerospace Lte	d
-------------------	-----------------	---

W/O:			ORDER CHANGES						
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Da	nte Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				•					
11.24								·	
Part No	•	PAR #: Fault Category: N					DQA:	_ Date: _	
Resolution: Disposition: O									
NCR:		V	VORK OR	DER NON-CONFORMA	NCE (NC	CR)		* *******	
DATE	STEP	Description of NC	Initial	Sign &		/erification		Approval	
		Section A	Chief Eng	Action Description Chief Eng	Da		Section C	Chief Eng	QC Inspector
									,
			•		:				
-									

W	òrk	Order	ID	58491

May 7, 2010 1:47:20 PM



Page 2

Item ID:

D205-634-041

Accept

4



Setup Start



Revision ID:

Item Name:

Replacement Skidtube

Cust Item ID:

Customer:

Draw

Stop

Start Date:

07/05/2010 **Required Date: 20/05/2010** Start Qty: 1.00

Req'd Qty: 1.00

Reference:

Date:

Tooling:

0.00

Date:

Run

Start

Stop



Approvals:

Process Plan:

QC:

Date:_

SPC (Y/N):

Date:

Sequence ID/ **Work Center ID**

120

Skidtubes

Skidtubes

Operation Description

Set Up/ **Run Hours** 0.00

Draw Number Rev.

Plan Code

Accept Qty

Reject Qty

Reject Insp. Number Stamp

Memo

1- Deburr ends

QC5- Inspect part completeness to step on W/O

2- C'sink holes as per dwg without cutting fluid

3- Prepare tube for welding, remove alodine as required.

4- Scribe batch number insied aft end of tube.

130

Memo

Quality Control

	D	ar	tΑ	erc	S	pac	e	Ltd
--	---	----	----	-----	---	-----	---	-----

W/O:			WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE				Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
							-				
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date:			
	Part No: PAR #: Fault Category: Resolution: Disposition:				QA: N/C Closed: Date:						
NCR:			WORK ORDI	ER NON-CONFORM	ANCE (NCR)					
DATE	STEP	Description of NC		ion B	Verific	Verification App		Approval			
DATE	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		on C	Chief Eng	QC Inspector		
				`				•			
									:		
									ļ		

Page 3

May 7, 2010 1:47:20 PM Item ID: ⁴ D205-634-041 Revision ID: Item Name: **Start Date:** 07/05/2010



Setup Start

Stop



Replacement Skidtube

Required Date: 20/05/2010

Start Qty: 1.00 Req'd Qty: 1.00



Cust Item ID: **Customer:**

Reference:

Approvals:	
------------	--

Process	Plan:	

Date: ____

Tooling:

Date:

Start Run



QC:

Date:_____

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID

140



Skidtubes

Skidtubes

Operation Description

Set Up/ **Run Hours** Draw Number Draw Plan Rev. Code

Accept Qty

Reject Qty

Reject Insp. Number Stamp

Memo

0.00

0.00

1-Weld step D2576 as per Dwg. D2580 and Q\$1,004 A/R□□□ Aluminum Rod MII3 860

BE 10/05/13

2-Prep per QSI 005 and weld crossbolt spacers D2579 as per Dwg. D2580, QSI

For D2579 spacers, weld one side, pass 3/8" drill, weld other side, pass 3/8" drill

A/R□□□ Aluminum Rod

M112860

3-Grind welds as per Dwg D2580 Grind flush ridge made from bending

4-Drill holes for wearplates using DT 8217 & DT8937 Open holes to 19/64", adjust stopper not to hit web.Deburr

5-Counterbore crossbolt spacers to 7/16" ID x 1.0" deep as per Dwg D2580. Deburr holes

6-Drill pilot holes for aft cap using DT 8215Open holes to 0.208". Deburr

7-Drill pilot holes for Tow ring using DT8091, open to .640" and Deburr

H 10/5/17

	•												
W/O:			WORK ORDER CHANGES										
DATE	STEP	PRO	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
			****	***************************************									
Part No	Part No: PAR #: Fault Category:					NCR: Yes No DQA: Date:							
					QA: N/C Closed: Date:								
NCR:			WORK ORDE	ER NON-CONFORMA	ANCE (NCR)							
DATE	STEP	Description of NC		Corrective Action Section B		Verification		Approval	Approval				
	J.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	1 C	Chief Eng	QC Inspector				
					:								
								•					
									·				

Work Order ID 58491

May 7, 2010 1:47:20 PM



Page 4

Item ID:

D205-634-041

Accept

Setup Start

Stop



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

07/05/2010

Start Qty: 1.00 Req'd Oty: 1.00

Cust Item ID:

Customer:

Reference:

				_	
A	nr	rc	IV2	ele:	•

Process Plan:

Date:

Tooling:

Date:

Run

Start



QC:

Required Date: 20/05/2010

Date: _____

SPC (Y/N):

Date:

Stop

Sequence ID/ **Work Center ID**

150

Quality Control

Operation **Description**

QC10- Inspect visual per QSI004- ground welds

Set Up/ **Run Hours** Draw Number

Draw Rev.

Plan Code

Accept Oty

Reject Reject **Qty**

Insp. Number Stamp

Memo

Memo

160

OC

Quality Control

QC5- Inspect part completeness to step on W/O

170

Pressure Wash per QSI005 4.3

0.00

HandFinish

Memo

0.00

Hand Finishing

Re-alodine tube as per QSI 005 section 4.1.2.1 do not acid etch and leave fwd cap out of solution.

1) BR 10-5, 191

W/O:	WORK ORDER CHANGE											
DATE	STEP	PRO	OCEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
			•		,							
			· · · · · · · · · · · · · · · · · · ·									
Part No:PAR #:Fault Category:					_ NCF	l: Yes	No DQ	A:	Date:			
			Disposition: Q									
NCR:				DER NON-CONFORMA								
DATE	STEP	Description of NC	Description of NC Correcti			VARITI				Approval		
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti	on C	Approval Chief Eng	QC Inspector		
				- ,								
				-								
		·										

Work Order ID 58491

May 7, 2010 1:47:20 PM

Required Date: 20/05/2010



Page 5

Item ID:

D205-634-041

Accept

Setup Start



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

07/05/2010

Start Qty: 1.00

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

0.00

Date:

Draw

Rev.

Plan

Code

Run

Start

Stop



QC:

Date:

SPC (Y/N):

Date:

Stop

Reject

Qty



Insp.

Stamp

Reject

Number

Sequence ID/ **Work Center ID**

180

Powdercoat

Powder Coating

Operation Description

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

M114767

START TIME:

OVEN TEMPERATURE: FINISH TIME:

Set Up/ **Run Hours**

0.00 2) 10/05/14

Draw

Number

Accept

Qty

190

QC3- Inspect Part Finish

0.00

Memo

Memo

0.00

ON 10-05-20 (B)

Quality Control

W/O:			WO	RK ORDER CHANG	SES				
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
		***				•		A A Maria	
Part No	•	PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	A:	Date:	
	Res	olution:	Disposition	:	QA: N/C CI	osed:		Date: _	**
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCF	R)			
DATE	STEP	Description of NC		Corrective Action Section			cation	Approval	Approval
	SILI	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Sect		Chief Eng	QC Inspector
		71.		APP .					
			1					1	ŀ

Page 6

May 7, 2010 1:47:20 PM

Required Date: 20/05/2010

Item ID:

D205-634-041

Accept



Setup Start

Stop



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

07/05/2010

Start Qty: 1.00

Reg'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

A	n	n	r	n	v	я	le	
-	v	ν		v	v	а	13	

Process Plan:

Date:

Tooling:

Date: Date:

Rev.

Run

Start

Stop



Sequence ID/ **Work Center ID**

200



HandFinish

Hand Finishing

Operation Description

Set Up/ **Run Hours**

Draw Number **Draw** Plan Code

Accept Qty

Reject Reject Qty

Insp. Number Stamp

Memo

0.00

0.00

1-Install inserts & wearplates & Gaskets as per Dwg. D2580. Use a drop of Sikaflex on insert holes before installing wearplates Sikaflex expire date: 10-08

Date: _____ SPC (Y/N):

2-Coat D2594-3 O' rings with Petroleum Jelly and install on D2594-1 plugs as per Dwg D2580

3-Inspect for foreign object per QSI 024

4-Install 2855 Aft Cap as per Dwg D2580 and seal Fwd Step & Aft Cap with Sikaflex. Clean excess adhesive

A/R \square \square Sikaflex-291 \square \square \square \square Sikaflex expire date: \square \square \square \square

10.05-20



W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	OCEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
									± - - - - -				
Part No	•	PAR #:	Fault Ca	tegory:	_ NCR: Yes	No DQA:		Date: _					
			Disposition: QA: N/C Closed:										
NCR:		\	WORK OR	DER NON-CONFORMA	ANCE (NCR	()							
DATE	STEP	Description of NC Section A	Initial Action Description Chief Eng Chief Eng		ion B Sign & Date	Verifica Section		Approval Chief Eng	Approval QC Inspector				
			Office Ling	Office Ling	Date								
			-										

Work Order ID 58491

May 7, 2010 1:47:20 PM

Required Date: 20/05/2010



Page 7

Item ID:

D205-634-041

Accept



Setup Start



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

07/05/2010

Start Qty: 1.00

Req'd Oty: 1.00



Cust Item ID:

Customer:

Reference:

Process Plan:

Date: _____ Tooling:

Date:

Run Start

Date: _____ SPC (Y/N):

Date: ____

Stop

Stop

Sequence ID/

Work Center ID

210

Quality Control

Operation Description

QC5- Inspect part completeness to step on W/O

Set Up/ **Run Hours**

Number

Draw

Draw Rev.

Plan Accept Code Qty

Reject Otv

Reject Insp. Number Stamp

Memo

Inspect Aft Cap, Fwd Step and Wing Walk of work to Current Step Inspect for

Foreign objects per OSI 024

220

Packaging Packaging

Packaging

Memo

Identify and pack for shipping as per PPPD205-634-041 Location:

PPP Rev:

230

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

0.00

Memo

0.00

MF 21.

W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	PROCEDURE CHANGE				Date Q	Approval Chief Eng / Prod Mgr					
L													
Part No	:	PAR #:	Fault Cate	gory:	_ NCR	: Yes 1	No DQA: _	Date: _					
	Resolution:				QA: N/C Closed: Date: _								
NCR:				ER NON-CONFORMA									
DATE	STEP	Description of NC	Corrective Action Sec				Verification	on Approval	Approval				
DAIL	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section C		QC Inspector				
}							1		ł				

Picklist Print

May 7, 2010 1:47:24 PM Work Order ID: 58491 Parent Item: D205-634-041 Parent Item Name: Replacement Skidtube **Start Date:** 07/05/2010 **Required Date: 20/05/2010** IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ Comments: Required Qty: 1.00 Start Qty: 1.00 IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD IPP Rev. O 06.02.28 Added paperwork EC IPP Rev:P 07-07-09 SS Wearplates & Gaskets JLM D2580-1 Manufactured No 110 Each 9.0000 205 Skidtube bent detail Location Loc Qty Loc Code 57028 57347 57902 57938 58090 2 58112 2 D2576-3 Manufactured No 140 Each 110.0000 Step (maching detail) BE 65/05/13 D2579 Manufactured No

Crossbolt Spacer

Location	<u>Lo</u>	c Oty	Loc Code		
LG		110			
46661		62			4
52215		48			
	140	Each	193.0000	20	

_a0 BE 10/05/13

Location	Loc Qty	Loc Code
LG	193	
57052	13	
57348	180	

W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	PROCEDURE CHANGE				Qty Approva Chief Eng / Prod Mgr	Approval QC Inspector					
							10 - 10 10 10 10 10 10 10 10 10 10 10 10 10						
Part No	:	PAR #:	Fault Ca	tegory:	NCR: Yes	No DQA:	Date:						
					QA: N/C Closed: Date:								
NCR:			WORK OR	DER NON-CONFORM	ANCE (NCF	R)		**************************************					
DATE	STEP	Description of NC Section A	Initial			Verifica Section		Approval QC Inspector					
			Chief Eng	Chief Eng	Date								
			•					*					
						,							
		•											
				·									

Picklist Print May 7, 2010 1:47:24 PM

Work Order ID: 58491

Parent Item:

D205-634-041

Parent Item Name: **Comments:**

Replacement Skidtube

IPP Rev:N \Box 02.08.28 \Box FP was QC5 in Step 27; Added QC5 to Step 30 \Box KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD IPP Rev. O 06.02.28 Added paperwork EC

IPP Rev:P 07-07-09 SS Wearplates & Gaskets JLM

Start Date: 07/05/2010

Required Date: 20/05/2010

Start Qty: 1.00

Required Qty: 1.00

D2855 Cap	Manufacture	d No			200	Each	105.0000	1	ON 10.05-20
	•		Location		<u>L</u>	oc Oty	Loc Code		
			FP6		٠.	2			
				56613		2			
	,	.5.11		50513 · · · · · · · · · · · · · · · · · · ·		103	- 		
				51539		29 19			
				3791		_ 54			<u></u>
AN3-5A	Purchased	No			200	Each	963.0000	2	
Bolt									0.M 10.05-200
			Location		<u>L</u> c	oc Qty	Loc Code		
			ST350			963			
43.70.60.70.4.7			1	05057		963			<u></u>
AN960JD10L	Purchased	No			200	Each	4,297.000	2	
Washer									CM 10-05-20 0
			Location		<u>La</u>	c Otv	Loc Code		
			ST348			4297			
			I	10985		4297			\mathcal{J}
ALS7-1032-130 	Purchased	No			200	Each	17.0000	50	
Insert Alson 10°	3 - 40								g.n 10 ~05-20(

Location

ST282 114654

113238

Loc Oty

17

17

Loc Code

W/O:		WORK ORDER CHANGES												
DATE	STEP	PRO	OCEDURE CH	ANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
			- 144			•								
						· .								
Part No	:	PAR #:	Fault Cat	tegory:		NC	R: Yes	No DQ	A:	Date:				
	Resolution:		Disposition:											
NCR:			WORK ORI	DER NON	I-CONFO	RMANCE	(NCR)			7. 7. 2. 2			
DATE	STEP	Description of NC		Correctiv		Section B			cation	Approval	Approval			
	0.2.	Section A	Initial Chief Eng	Acti	on Descrip Chief Eng	tion	Sign & Date	Sect	ion C	Chief Eng	QC Inspector			
				•										
				*										
										•				
		•												
					•									
											٠.			

 \vec{y}

Picklist Print

May 7, 2010 1:47:24 PM

Work Order ID: 58491

D205-634-041

Parent Item Name:

Replacement Skidtube

Comments:

Parent Item:

IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork

IPP Rev:P 07-07-09

SS Wearplates & Gaskets

Start Date: 07/05/2010

Required Date: 20/05/2010

Start Qty: 1.00

Required Oty: 1.00

AN3C4A

Purchased

No

200

Each

1,939.000

Loc Code

50

10-05-200

BOLT

Purchased

114108 114416 114523

114103

138 1000 Each

1939

501

300

Loc Qty

0.0000

50

Q.M 10.05-200

washer D3566-13

AN960C10L

Gasket

Manufactured

Manufactured

No

NAS1149C0332R

200

200

Each

33.0000

Loc Code

D3566-5



Location FP

Location

ST350

53461

33 33 200 Each

Loc Qty

21.0000

Location FP015

57526

57682

Loc Qty 21 1 20

Loc Code

W/O:		WORK ORDER CHANGES												
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
					·	# 40 -								
									 					
				:	40,									
Part No	:	PAR #:	Fault Cate	egory:	NC	R: Yes	No DQ	\:	Date:					
Res		esolution:	Disposition	QA	QA: N/C Closed: Date:									
NCR:			WORK ORD	ER NON-CONFORI	MANCE	(NCR)							
DATE	STEP	Description of NC Section A	Corrective Action Section Initial Action Description			ction B Sign &		ation	Approval Chief Eng	Approval				
		Georgia A	Chief Eng	Chief Eng		Date	Section	on C	Chief Eng	QC Inspector				
								:						
			-											
				,		·								

Picklist Print

May 7, 2010 1:47:24 PM

Work Order ID: 58491

D205-634-041

Location

56533

57684 -

57922

FP17

Parent Item Name:

Replacement Skidtube

Comments:

Parent Item:

IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork

IPP Rev:P 07-07-09

SS Wearplates & Gaskets

Start Date: 07/05/2010

Required Date: 20/05/2010

Start Qty: 1.00

Loc Code

1353461

Required Qty: 1.00

IPP Rev.P	07-07-09 SS Wearplat	es & Gas	skets JLM							
D3566-1 Gasket	Manufactured	No		200	Each	41.0000	2		QM	10-05-200
			Location	<u>Lo</u>	c Oty	Loc Code				
			FP015		41					
			57715		20			1.		
			58182	. *	21			7		
D3564-11	Manufactured	No		200	Each	9.0000	1			
Wearshoe									On	10-05-200
	· - ·		Location	<u>Lo</u>	c Oty	Loc Code		• •		
•			FP019		9					
			57957		9			1		
D3564-13	Manufactured	No		200	Each	27.0000	1			
Wearshoe									Q. _M	10.05-20

Loc Qty

27

12

14

W/O:			WO	RK ORDER CHANG	ES	 .		a
DATE	STEP	PRO	Ву	Date Qt	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
Part No	•	PAR #:	Fault Categ	ory:	NCR: Yes	No DQA:	Date: _	
		solution:						
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCR)		
DATE	STEP	Description of NC		tion B	Verification	rification Approval		
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector
		·						
							·	
	1		· 1		l	1	1	ľ

Picklist Print

May 7, 2010 1:47:24 PM

Work Order ID: 58491

Parent Item:

D205-634-041



Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork EC

IPP Rev:P 07-07-09 SS Wearplates & Gaskets **Start Date:** 07/05/2010

1

Required Date: 20/05/2010

Start Qty: 1.00

Required Qty: 1.00

D3564-9

Manufactured

Manufactured

No

No

JLM

200

Each

22.0000

Q.M 10.05-206)

Wearshoe

Location	<u>1</u>	Loc Oty	Loc Code
FP		1	
	55334	1	
FP019		21	
	57685	7	
	57958	14	
		200 Each	7.0000

D3564-5



Wearshoe

0.m 10.05-20 B

Location Loc Qty Loc Code FG 34806 FP19 57525 57729 5 200 407.0000 Each

D2594-3



O-Ring, 205 Skidtube

Manufactured No

16

9M 10-05-20 0

Location Loc Qty Loc Code FP 407 55546 19 58191 388

W/O:			WO	RK ORDER CHAN	GES		·····				
DATE	STEP	PR	PROCEDURE CHANGE					Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
,	,			•							
	·										
10.											
Part No	•	PAR #:	Fault Categ	jory:	NCF	R: Yes	No DQ	4:	Date:		
	Res	solution:	Disposition: QA: N/C CI				osed: Date:				
NCR:			WORK ORDE	R NON-CONFORM	IANCE	(NCR)		,		
DATE STEP		Description of NC	Corrective Action Section B				Verific	cation A	Approval	Approval	
DATE	SILP	STEP Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	1	Sign & Date	Secti		Chief Eng	QC Inspector	
				•							
					; •						
								,			

Picklist Print

May 7, 2010 1:47:24 PM

Work Order ID: 58491

Parent Item:

D205-634-041

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:N \Box 02.08.28 \Box FP was QC5 in Step 27; Added QC5 to Step 30 \Box KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork EC IPP Rev:P 07-07-09

SS Wearplates & Gaskets JLM

Start Date: 07/05/2010

Required Date: 20/05/2010

Start Qty: 1.00

Required Qty: 1.00

D2594-1

Manufactured

No

200

Each

382.0000

16

an 10.05200

Plug, 205 Skidtube

Location	Loc Oty	Loc Code
FP	382	
42807	112	, mare
55002	128	
57826	142	

Dart Aerospace

	-									
W/O:			WC	RK ORDER CHANC	GES					
DATE	STEP	PROCEDURE CHANGE By Date Qty						Approval Chief Eng / Prod Mgr	Approval QC Inspector	
						_				- 17
Part No	•	PAR #:	Fault Cate	gory:	NCR: \	es N	o DQ /	A:	Date:	
			Disposition: QA: N/C Closed:							
NCR:			WORK ORDI	ER NON-CONFORM	ANCE (N	ICR)				
DATE	STED	Description of NC	Corrective Action Section B			Verificat			on Approval	Approval
DAIL	STEP Description of N Section A	Section A	Initial Chief Eng	Action Description Chief Eng		gn & Date	Secti		Chief Eng	QC Inspector

					1					



DESIG	H	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KED	APPROVED	DRAWING NO. REV. D
			D2580 SHEET 1 OF 3
DATE			TITLE SCALE
07.0	02.27		205 SKIDTUBE ASSEMBLY NTS
Α		96.09.16	NEW ISSUE
В	_	96.12.02	AS MANUFACTURED
С		98.08.26	REDRAWN, INCLUDED DEO 9094/9097
D		07.02.27	CHANGE TO SS WEARPLATES AND GASKETS, INCLUDE DEO 9124/9183



QTY -041	QTY -045	Part Number	Description
X		D2580-041	SKIDTUBE ASSEMBLY
	Х	D2580-045	SKIDTUBE ASSEMBLY
1	1	D2500-1-190	EXTRUSION
1	1	D2576-3	STEP
20	24	D2579	CROSS BOLT SPACER
16	16	D2594-1	PLUG
16	16	D2594-3	O-RING
1	1	D2596	205 WEB
1	1	D2855	AFT CAP
1	1	D3564-5	WEARSHOE
1	1	D3564-9	WEARSHOE
1	1	D3564-11	WEARSHOE
1	1	D3564-13	WEARSHOE
2	2	D3566-1	GASKET
1	1	D3566-5	GASKET
1	1	D3566-13	GASKET
50	50	ALS7-1032-130 or AKS7-1032-130 or AKS4-1032-130 or AELS-1032-130	INSERT
50	50	AN3C4A	BOLT
2	2	AN3-5A	BOLT
50	50	AN960C10L	WASHER
2	2	AN960JD10L	WASHER

SHOP COP.

RETURN TO
ENGINEERING
UNCONTROLL EP CO
SUBJECT TO AMERICAN
WITHOUT BY CICE
WORK GREY
NO. 58491

GENERAL NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) INSERT D2596 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART QSI 015 BEFORE BENDING. ENSURE HOLES LINE-UP.
- 4) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND ENDING WITH A MINIMUM RADIUS OF 30. A MAXIMUM REDUCTION OF 0.200 IN DIAMETER IS ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 5) USE DART DRILL TEMPLATE TD2577-205 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL ALS7-1032-130 PER SECTION D-D (50 PLACES) AFTER FINISH. INSTALL AN3C4A BOLTS AND AN960C10L WASHERS WITH SIKAFLEX-241/-291.
- 6) WELDING TO BE DONE PER DART QSI 004.
- 7) FINISH:

SEE NOTES ON PAGE 2 FOR D2580-041 AND

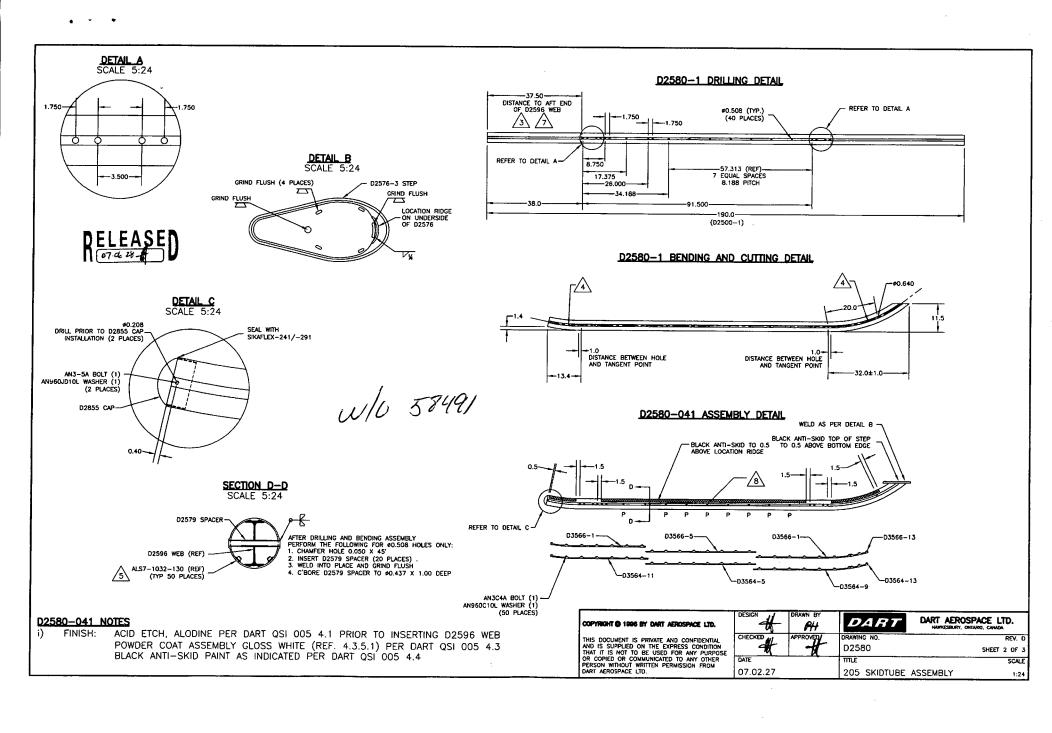
PAGE 3 FOR D2580-045

8) INSERT D2594-1 PLUG C/W D2594-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER FINISH (16 PLACES).

Copyright © 1996 by DART AEROSPACE LTD

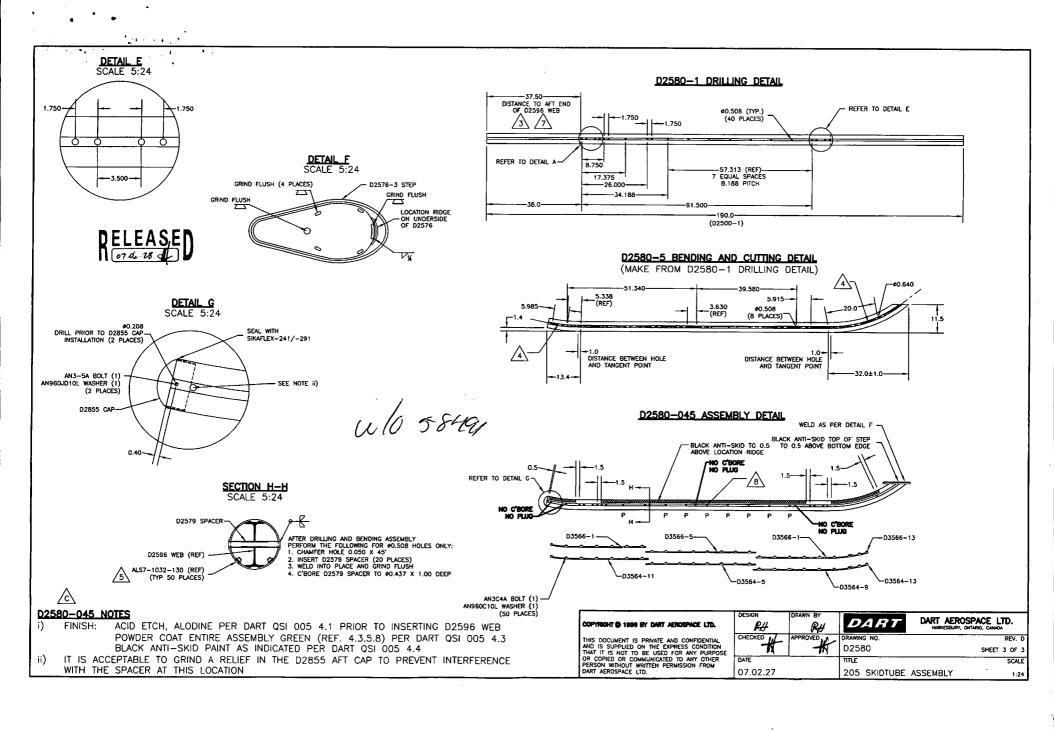
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

W/O:		Va	W	ORK ORDER CHAN	IGES				•		
DATE	STEP	PR	OCEDURE CH	ANGE	Ву		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No		PAR #:									
	Res	Resolution: Disposition: Q			QA: N/C	A: N/C Closed: Date:					
NCR:			WORK ORE	ER NON-CONFORM	MANCE (N	CR)				100	
DATE	STEP	Description of NC		ection B				Approval	Approval		
DATE		Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Verificati Section C	ı C		QC Inspector		
		_									
				·		<u>,,,,</u>					
	1 1		1 1		l l		!		1		



	Dart	Aero	spa	ce	Ltd
--	------	------	-----	----	-----

	-										
W/O:		WORK ORDER CHANGES								* * 19	
DATE	STEP	PROCEDURE CHANGE				C	ate	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
			· · · · · · · · · · · · · · · · · · ·				- <u></u>				
						i.					
Part No	•	DAD #-	Fault Cator	·	NCD: V		DO				
1 411 140					NCR: Yes No DQA: Date:						
NCR:			WORK ORDER NON-CONFORMANCE (NCR)								
	T		Corrective Action Section B							I	
DATE	STEP	Description of NC Section A	Initial Action Description Chief Eng Chief Eng		Sig	Sign & Section Section				Approval QC Inspector	
										3	
								7. 0			



Dart A	erosp	ace	Ltd
--------	-------	-----	-----

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE By Date			Qty	Qty Approval, Chief Eng / Prod Mgr	Approval QC Inspector	
							žį.	

Part No:		_PAR #:	Fault Category:		NCR: Yes No	DQA:	Date:	
	Resolution:		Disposition:	•	QA: N/C Closed	d: <u>}</u>	Date:	
NCD.		WC	RK ORDER N	ION-CONFORMAL	VCF (NCR)	14		

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE OTED		Description of NC Corrective Action Section B				Verification		A	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	,Sign & ,∵Date	Section C	Approval Chief Eng	Approval QC inspecto	
				to the same					
				€ Table		-	- -		
				a series and the series of the					
				•			!		
				,					

NO. 232

AWS D17.1.2001 QUALIFICATION TEST RECORD

Name: Barcla Ellioff Job number: 58008 Part number: D 205 624 041 Description: 205 466e Welding Process: Tig[/] Mig[] Base materiel: Aluminium Current: AC[//] DC[] TEST REQUIREMENTS AND RESULTS						
Visual: Penetration:	pass[] fail[] pass[] fail[]					
<u>UNACCEPTABLE</u>						
Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration:	pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[]					
Qualifier Poly Day	Date of Tost Council C OS 15					
Welder Donay State	Date of Test Coupon 10.05.18 Date of Test Coupon 10.05.18					

The above named individual is qualified in accordance with AWS D17.1.2001 to weld

